SATURDAY - MAY 1, 2021

17.00	**Registration**

	PLENARY ROOM
18.30 - 20.00	**OPENING CEREMONY**
	STRAWBERRY FROM THE PAST TO THE FUTURE *Bruno Mezzetti, Gianluca Baruzzi and Maurizio Battino* TRIBUTES: CHAD FINN *by Bernadine Strik and Javier Antonio Fernandez-Salvador* ROLF NESTBY *by Anita Sønsteby and Massimo Tagliavini*
20.00 - 21.00	Welcome cocktail

SUNDAY - MAY 2, 2021

	PLENARY ROOM
08.00	**BLUE LINE A** Plant genotype, phenotype, breeding, biotechnology, physiology, plant adaptation, resilience, nursery, certification, patenting. --- **Beatrice Denoyes** --- BREEDING FOR FRUIT AND DAUGHTER PLANTS YIELD
08.45	**GREEN LINE** Cultivation Systems (open field, protected and soilless cultivation), plant nutrition, irrigation and water requirements, climate and light management, programmed production, reducing labour, harvesting technology, increasing quality. --- **Anita Sønsteby** --- FLOWERING AND DORMANCY RELATIONS OF STRAWBERRY AND EFFECTS OF MANAGEMENT AND A CHANGING CLIMATE FOR PRODUCTION
09.30 - 10.00	*Morning break & Exhibition Visit*

SUNDAY - MAY 2, 2021

	ROOM 1	ROOM 2	ROOM 3
FIRST GROUP OF PARALLEL SESSIONS	BLUE LINE - GENETIC RESOURCES	GREEN LINE - CULTIVATION SYSTEMS	GREEN LINE - WORLD PRODUCTION
10.00	247-Whole Genome Assembly in a Japanese variety, 'Reikou' and comparison with wild Fragaria genomes *Isobe Sachiko, Kazusa DNA Research Institute, Japan*	41-Use of containerized day-neutral strawberry transplants for early field establishment and increased production *Tessa Barker, Oregon, United States of America*	10-Profitable day-neutral strawberry variety and planting date combination for year-round strawberry fruit production in the Southern Cape, South Africa *Patience Parehw, Nelson Mandela University, George Campus, South Africa*
10.15	154-Strawberry genome dissection to identify new regions responsible for the inheritance of fruity and flowery aroma *Pol Rey, IRTA, Spain*	165-Effect of planting date on greenhouse strawberry production *Mike Nichols, New Zealand*	232-Strawberry (Fragaria X ananassa) production sector in Georgia ' current situation and development direction *Zviad Bobokashvili, Georgia, United States of America*
10.30	57-High-throughput Mono-antibody Array Generation and Its Application in Strawberry Fragaria × ananassa *Ling Guan, China*	142-Growth Responses and Fruit Qualities Affected by Different Light Colors and Phosphorus Concentrations on Strawberry Grown in Plant Factory *Lu Le Trong, Crop science Lab,University of The Ryukyus, Okinawa, Japan*	218-The Current Progress in Strawberry Culture in Turkey *Husnu Demirsoy, OMU Agricultural University, Horticultural Department, Samsun, Turkey*
10.45	287-The sugar transporter system of strawberry: genome-wide identification and expression correlation with fruit soluble sugar-related traits in Fragaria × ananassa Duchesne germplasms collection *Qing-Hua Gao, China*	296-Evaluation of hydroponic strawberries dynamic growth response to diurnal evolution of nutrient solution by 4D plant phenotyping *Saneyuki Kawabata, Inst. Sustainable Agro-Ecosystem Services, The University of Tokyo, Japan*	321-Open and protected cultivation of strawberry in Armenia. *Syuzanna Hovsepyan, Armenia*

SUNDAY - MAY 2, 2021

	ROOM 1	ROOM 2	ROOM 3
SECOND GROUP OF PARALLEL SESSIONS	BLUE LINE - BREEDING PROGRAMS	GREEN LINE - CULTIVATION SYSTEMS	GREEN LINE - WORLD PRODUCTION
11.15	231-Recent progress in Strawberry Breeding and Genetics at NIAB EMR, East Malling, UK *Adam Whitehouse, NIAB EMR, East Malling, United Kingdom*	212-Circular use of nutrients in soilless strawberry cultivation: spent growing media as key element *Bart Vandecasteele, ILVO, Plant Sciences Unit, Merelbeke, Belgium*	87-Current status and future prospect of strawberry production in East and Southeast Asia *Takashi, Nishizawa, Faculty of Agriculture, Yamagata University, Japan*
11.30	67-Cultivars developed in the strawberry breeding program of Fresas Nuevos Materiales S.A *Fernando Piston, Fresas Nuevos Materiales, Huelva, Spain*	340- Pre-harvest Spray Applications on Postharvest Quality of Strawberries *Nesibe Ebru Kafkas, Department of Horticulture , Faculty of Agriculture, Adana Balcali, Turkey*	183-Progress on Everbearing Strawberry in high-temperature summer regions in China *Jing Wang, Institute of Pomology, JAAS, Jiangsu Academy of Agricultural Sciences, Jiangsu, China*
11.45	303-Updates on Italian strawberry breeding programs coordinated by CREA *Gianluca Baruzzi, CREA, Research Centre Olive Fruit and Citrus Crops, Forlì, Italy*	36- Effect of summer planting time on strawberry productivity and quality *Nenad Magazin, University of Novi Sad, Faculty of Agricul., Department for fruitgrowing, Serbia*	309-Success of italian genotypes cultivated in Brazil *Leo Rufato, UDESC, Brazil*
12.00	262-Generating novel strawberry pre-breeding material from Fragaria x ananassa back-crossing program of F. virginiana and F. chiloensis inter-specific hybrids *Bruno Mezzetti, Università Politecnica delle Marche, Ancona, Italy*	210-NIRS as a fast screening technique for total nutrient uptake by strawberries and biochemical composition of growing media *Bart Vandecasteele, ILVO, Plant Sciences Unit, Merelbeke, Belgium*	253-Strawberry crop in extreme climatic zones of Chilean Patagonia *Marina Gambardella, Departamento de Fruticultura y Enologia, Facultad de Agronomia e Ingenieria Forestal, Pontificia, Universidad Catolica de Chile, Santiago, Chile*
12.15	GENERAL DISCUSSION	GENERAL DISCUSSION	79-Evaluating the State of the Oregon Strawberry Industry in 2019 *Javier Fernandez-Salvador, Oregon, United States of America*
12.30 - 13.30	*Working Lunch*		

SUNDAY - MAY 2, 2021

	PLENARY ROOM
13.30	**GREEN LINE B** Cultivation Systems (open field, protected and soilless cultivation), plant nutrition, irrigation and water requirements, climate and light management, programmed production, reducing labour, harvesting technology, increasing quality. --- **Yuntao Zhang** --- GREAT CHANGES OF STRAWBERRY RESEARCH AND INDUSTRY IN CHINA AFTER 7TH ISS
14.15	**GREEN LINE** Cultivation Systems (open field, protected and soilless cultivation), plant nutrition, irrigation and water requirements, climate and light management, programmed production, reducing labour, harvesting technology, increasing quality. --- **Yiannis Ampatzidis** --- AUTOMATION, ARTIFICIAL INTELLIGENCE, AND ROBOTICS IN STRAWBERRY PRODUCTION

SUNDAY - MAY 2, 2021

	ROOM 1	ROOM 2	ROOM 3
THIRD GROUP OF PARALLEL SESSIONS	BLUE LINE - GENETICS RESOURCES	GREEN LINE - PLANT NUTRITION	ORANGE LINE - PEST AND DISEASE MANAGEMENT
15.00	250-Coordination of genebank activities between different national collections in Europe in the frame of ECPGR *Monika Höfer, Julius Kühn Institute, Institute Breeding Research on Fruit Crops, Dresden, Germany*	282-Optimal trayplant propagation with the use of Quality Monitoring System *Delphy BV, The Netherlands*	27-The essential oils as bio-fungicide against strawberry Colletotrichum spp *Neringa Rasiukeviciute, Lithuania*
15.15	191-Breeding potential of underutilized Fragaria species *Klaus Olbricht, Hansabred GmbH CO KG Dresden, Humboldt-Universität zu Berlin, Germany*	289-Effects of Arbuscular Mycorrhizae Glomus iranicum var. tenuihypharum on Strawberry Fruit Yield and Quality *Giancarlo Roccuzzo, CREA, Research Centre Olive, Citrus Fruit tree, Forlì, Italy*	102-Susceptibility/tolerance to Macrophomina phaseolina in strawberry using different inoculation techniques under controlled and natural conditions *Stanley Freeman, Dept. of Plant Pathology and Weed Research, ARO - The Volcani Center, Rishon LeZion, Israel*
15.30	61-Investigation and classification of the five tetraploid Fragaria species native to China *Jiajun Lei, China*	349-Effect of 24-Epibrassinolide, Methyl Jasmonate, Oxalic acid and Calcium Chloride on Plant Growth, Yield and Fruit Quality of Strawberry *Raheel Anwar, Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Punjab, Pakistan*	319-Outbreak of leaf spot and fruit rot in Florida strawberry caused by Neopestalotiopsis spp *Natalia Peres ,Univ of Florida*
15.45	185-Assessment of strawberry pre-breeding material for crown rot resistance and root traits by high-throughput screening *Tuuli Haikonen, Natural Resources Institute Finland Luke, Horticultural technologies, Turku, Finland*	333- Belgium Strawberry cultivation in four layers *Maarten Hofkens Voort 71, Meerle, Belgium*	72-Screening strawberry cultivars and elite breeding line for susceptibility to Macrophomina crown rot and Verticillium wilt: a three-year summary *Gerald Holmes, California Polytechnic State University, San Luis Obispo, California, United States of America*
16.00-16.15	*Coffee break*		

SUNDAY - MAY 2, 2021

	ROOM 1	ROOM 2	ROOM 3
FOURTH GROUP OF PARALLEL SESSIONS	BLUE LINE - GENES STUDY	GREEN LINE - PLANT NUTRITION	ORANGE LINE - PEST AND DISEASE MANAGEMENT
16.15	32-Rapid Alkalinization Factor (RALF) gene family genomic structure and transcriptional regulation during host-pathogen crosstalk in Fragaria vesca and Fragaria x ananassa strawberry *Francesca Negrini, DISTAL, University of Bologna, Italy*	19-The influence of stolon harvest frequency and nitrate: ammonium ratio on asexual reproduction of day-neutral strawberries (Fragaria x ananassa cv. `Albion´) *Xiaonan Shi, North Carolina, United States of America*	37-Soil borne diseases increasing in Finnish strawberry production *Paivi Parikka, Natural Resources Institute Finland, Jokioinen, Finland*
16.30	267-RNAi-based approaches to induce resistance against grey mould disease in strawberry *Silvia Sabbadini, Università politecnica delle Marche, Ancona, Italy*	104-Effects of incorrect planting practices on early fruit production of fresh-dug and `frigo´ strawberry runner plants *Daniel Kirschbaum, INTA Famaillá, Tucumán, Argentina*	238-Challenges and opportunities: strawberry nursery operations in North America *Mark Hoffmann, North Carolina State Unviversity, Dept of Horticulture, United States of America*
16.45	146-Silencing of strawberry pathogen defence related candidate genes by using specific strawberry fruit ripening-related promoters: an intragenic approach to improve fruit quality and resistance *José Luis Caballero, Dpto de Bioquímica y Biología Molecular, Universidad de Córdoba, Spain*	24-The Effect of Two Nutrient Treatments on a Glass-house Grown Crop of the Strawberry Cultivar `Malling Centenary´ *E. Kehoe, Teagasc, Ashtown Research Centre, Castleknock, Dublin, Ireland*	7-Soil pest management in current California strawber-ry production *Oleg Daugovish, University of California Ventura, United States of America*
17.00	96-The SWEET family genes in strawberry: Identification and expression profiling during fruit development *Ke Duan, Shanghai Academy of Agricultural Sciences, China*	39-Using the KNS system for fertilization in strawberry cultivation *Miet Boonen, Fruittuinweg, Sint-Truiden, Belgium*	166-Application of eco-friendly practices alternative to soil chemical fumigation: preliminary results on strawberry *Daniela Giovannini, CREA, Research Centre Olive, Citrus Fruit tree, Forlì, Italy*

SUNDAY - MAY 2, 2021

	PLENARY ROOM
17.15	**BLUE LINE** Plant genotype, phenotype, breeding, biotechnology, physiology, plant adaptation, resilience, nursery, certification, patenting. --- **Aaron Liston** --- REVISITING THE ORIGIN OF OCTOPLOID STRAWBERRY
18.00 - 19.00	*POSTER SESSION*
19.30 - 22.30	*Get Together*

MONDAY - MAY 3, 2021

	PLENARY ROOM
08.00	**GREEN LINE B** Cultivation Systems (open field, protected and soilless cultivation), plant nutrition, irrigation and water requirements, climate and light management, programmed production, reducing labour, harvesting technology, increasing quality. --- **Peter Melis** --- MODERN SUBSTRATE CULTIVATION OFFERS POSSIBILITIES FOR A MINIMUM OF RESIDUES ON STRAWBERRY
08.45	**BLUE LINE A** Plant genotype, phenotype, breeding, biotechnology, physiology, plant adaptation, resilience, nursery, certification, patenting. --- **Qing-Hua Gao** --- INTERACTIONS OF STRAWBERRY WITH FUNGUS PATHOLOGY AND NEW GERMPLASMS ENHANCEMENT WITH DISEASE RESISTANCE
09.30 - 10.00	*Morning break & Exhibition Visit*

MONDAY - MAY 3, 2021

	ROOM 1	ROOM 2	ROOM 3
FIFTH GROUP OF PARALLEL SESSIONS	BLUE LINE - VITRO COLTURE	GREEN LINE - SUSTAINABLE SYSTEM	ORANGE LINE - SOIL FUMIGATION
10.00	182-Optimisation of the micropropagation protocol of cultivated strawberry (Fragaria x ananassa Duch.) *Justine Perrotte, INVENIO, Maison Jeannette, 24140 Douville, France*	220-Towards more sustainable soilless strawberry production *Matevz Papp-Rupar, NIAB EMR, East Malling, United Kingdom*	1-Sustainability of strawberry nurseries and fruit production in relation to fumigation practices in Europe *Arben Myrta, Certis Europe, Italy*
10.15	200-A new economical storage technique for strawberry in-vitro *Jodi Neal, Maroochy Research Facility, Nambour, Australia*	49-Reuse of drain water with a first flush system on strawberry trayfields drastically reduces the use of ground water *Dieter Baets, Voort Hoogstraten, Belgium*	199-Red leaf´: A new disorder in Australian strawberry plants *Joanna Kristoffersen, Department of Agriculture and Fisheries, Queensland, Australia*
10.30	98-Comparison of strawberry flower bud differentiation in different latitudes and altitudes *Chuan-Fei Zhong, BJ Acad. of Forestry and Pomology Sciences, Beijing, China*	318 -Next Generation Growing System for optimizing growing climate for strawberry *Bart Jongenelen, Delphy BV, The Netherlands*	158-The impact of soil fumigants and planting material on charcoal rot of strawberry in Australia *Dylan McFarlane, Australia*
10.45	275-Micropropagated strawberry mother plants for high quality frigo and plug plants nursery production *Franco Capocasa, D3A-Università Politecnica delle Marche, Ancona, Italy*	280-Life Cycle Assessment of Strawberry soilless cultivation and packaging: an Italian case study *Alessio Ilari, Università Politecnica delle Marche, Ancona, Italy*	122-Sources of inoculum of Macrophomina phaseolina in outbreaks of charcoal rot of strawberry in Australia *David Oag, Queensland, Australia*
11.00		347- Overcoming dormancy of achenes and physiology of strawberry treated with plant regulators *Renato Vasconcelos Botelho, Dpt. de Agronomia - UNICENTRO Guarapuava-Paraná, Brazil*	355-Effect of sudangrass biosolarization on Vertcillium dahliae populations in coastal California *Ashraf Tubeileh - California Polytechnic State University, San Luis Obispo, California, United States of America*

MONDAY - MAY 3, 2021

	ROOM 1	ROOM 2	ROOM 3
SIXTH GROUP OF PARALLEL SESSIONS	BLUE LINE - GENES STUDY	GREEN LINE - CULTIVATION SYSTEMS	ORANGE LINE - PATHOGENS CONTROL STRATEGIES
11.15	186-Genetic and physical mapping of Fw1, a fusarium wilt resistance gene in strawberry *Nicolas Cobo, Departamento de Producción Agropecuaria, Universidad de La Frontera, Temuco, Chile*	305-Quantitative analysis of effect of cultivation environment on growth and yield in summer and autumn production using everbearing variety Suzuakane *Yasunaga Iwasaki, Institute of Vegetable and Floriculture, science, NARO, Japan*	120-A Managed approach to controlling strawberry powdery mildew using a silicon nutrient and a decision support system to predict the optimum time to spray fungicides *Avice Hall, University of Hertfordshire, United Kingdom*
11.30	174-Genome-wide prediction of powdery mildew resistance in strawberry *Ronald Tapia, University of Florida, IFAS, Gulf Coast Research and Education Center, Wimauma, United States of America*	50-Winter manipulation of photoperiod and chill to enhance the perpetual flowering nature of cv; `FD1604-Soprano®´ *Nicole Gallace, Pcfruit vzw, Truiden, Belgium*	75-Comparison of leaf phenolic content for gray mold defense in tolerant and sensitive strawberry cultivars *Salih Kafkas, Univ of Cukurova Fac of Agriculture, Adana Balcali, Turkey*
11.45	325-Elucidating the genetic basis of fruit quality of strawberry in different environments *Jose Vallarino, Fac. Ciencias, Campus Teatinos., Universidad de Málaga, Malaga, Spain*	173-Changes in The Growth and Development of `Albion´, `Portola´ and `Sweet Ann´ Day-Neutral Strawberry Varieties in Summer and Fall Crop Production *Leyla Demirsoy, Ondukuz Mayis University, Facult of Agriculture, Turkey*	26-The colletotrichum spp. inhibition by pulsed light *Neringa Rasiukeviciute, Lithuania*
12.00	337- Advances in F1 hybrid day-neutral strawberry breeding at ABZ Seeds, Andijk, NL *Gé Bentvelsen , ABZ Seeds, Holland Strawberry House, Vleetweg 12, Andijk, Netherlands*	283-Plant growth and fruit quality response of strawberry to exogenous application of 24-epibrassinolide *Raheel Anwar, Institute of Horticultural Sciences, University of Agriculture, Punjab, Pakistan*	52-Autonomous UV-C application to deal with low and high powdery mildew disease pressure in strawberry *Stef Laurijssen, Belgium*
12.15	GENERAL DISCUSSION	GENERAL DISCUSSION	GENERAL DISCUSSION
12.30 - 13.30	*Working Lunch*		

	PLENARY ROOM
13.30	**BLUE LINE** Plant genotype, phenotype, breeding, biotechnology, physiology, plant adaptation, resilience, nursery, certification, patenting. --- **Ioannis E. Tzanetakis** --- STRAWBERRY PLANT CERTIFICATION IN THE 21ST CENTURY: FROM GRAFTING TO BIOINFORMATICS AND BEYOND
14.15	**ORANGE LINE C** New strawberry pathogens, soil borne and plant pathogens, soil fumigation, IPM/Organic, post-harvest management. --- **Juan Carlos Diaz Ricci** --- INDUCTION AND SUPPRESSION OF THE DEFENCE RESPONSE MEDIATED BY FUNGAL PATHOGENES IN STRAWBERRY PLANTS

MONDAY - MAY 3, 2021

	ROOM 1	ROOM 2	ROOM 3
SEVENTH GROUP OF PARALLEL SESSIONS	BLUE LINE - GENETIC/FLOWERING	GREEN LINE - CULTIVATION SYSTEMS	RED LINE - FRUIT QUALITY
15.00	261-Identification of new actors influencing the balance between flowering and runnering in strawberry *Amèlia GASTON, INRAE, Univ. Bordeaux, Villenave d'Ornon, France*	12-Low Tunnels for Season Extension of Day-Neutral Organic Strawberries in the U.S. Pacific Northwest *Javier Fernandez-Salvador, Oregon, United States of America*	89-Storage of halved strawberry fruits affects aroma, phytochemical content and gene expression, and is affected by pre-harvest factors *Ashley Baldwin, United Kingdom*
15.15	233-Architecture and flower mapping as tools to describe strawberry plants *Francesca Massetani, H.O.R.T. Soc. Coop., Ancona, Italy*	228-Yield and dry matter allocation in soilless strawberry with sheep manure compost *Horacio E. Alvarado-Raya, Universidad Autonoma Chapingo, Mexico*	144-High-throughput mapping of cell wall glycans to unveil cell wall disassembly, a key process determining strawberry fruit softening *Sara Posé, Dept. Botanica y Fisiologia Vegetal, University of Malaga, Malaga, Spain*
15.30	269-Phenotypical characterization of strawberry (Fragraria x ananassa) plants overexpressing *FLOWERING LOCUS T* genes *Silvia Sabbadini, Università Politecnica delle Marche, D3A, Italy*	235-Living Mulches for Weed Control in Day Neutral Strawberry Plantings in the Northern US *Emily Hoover, Department Horticultural Sci., University of Minnesota, United States of America*	77-Organoleptic and functional characteristics of some Turkish strawberry varieties *Salih Kafkas, Univ. of Cukurova Fac. of Agriculture, Department of Horticulture, Adana Balcali, Turkey*
15.45	178-Study of strawberry plasticity: genotype-by-environment interactions and QTL detection for the flowering date *Aurélie Petit, INVENIO, MIN de Brienne, Bordeaux, France*	177-Design of a new planting system to produce strawberry out of season in central Mexico. *Alba Jofre-y-Garfias, ENES-León, UNAM, Guanajuato, Mexico*	204-Comparison of sugars contents, phenylalanine ammonia lyase and invertase activities of some strawberries during ripening stages *Nesibe Ebru Kafkas, Department of Horticulture, Faculty of Agriculture, Adana Balcali, Turkey*
16.00-16.15	*Coffee break*		

MONDAY - MAY 3, 2021

	ROOM 1	ROOM 2	ROOM 3
EIGHTH GROUP OF PARALLEL SESSIONS	BLUE LINE - GENETIC/FLOWERING	RED LINE - AROMA	ORANGE LINE - ENTOMOLOGY
16.15	149-Development of strawberry flower initials: Timing and response to nitrogen and temperature conditions at northern latitudes *Marja Rantanen, Finland*	76-Identification of volatile compounds of Turkish local strawberry genotypes using various extraction techniques by GC/MS *Nesibe Ebru Kafkas, Department of Horticulture, Faculty of Agriculture, Adana Balcali, Turkey*	239-Research on the influence of temperature on the strawberry blossom weevil - Anthonomus rubi Herbst *Neagu Frasin Loredana Beatrice, Romania*
16.30	28-Juvenile runnering in F1 hybrid strawberry and its effect on inflorescence numbers *Adam Dale, University of Guelph, Ontario, Canada*	132-Genetic analysis of aroma volatile compounds and the role of a (3Z):(2E)-hexenal isomerase in the development of fruit aroma *Amparo Monfort, IRTA, Barcelona, Cerdanyola del Vallés, Spain*	117-Impact of lygus bug damage in California, USA, strawberries *Peter Shearer, Cal Poly Strawberry Center, California, United States of America*
16.45	245-Production of strawberry nuclear stock at the Micropropagation and Repository Unit *Christie Almeyda, Micropropagation and Repository Unit, North Carolina, United States of America*	175-Sensory and chemical analysis of strawberry fruit: important volatiles and prediction ability for sensory characteristics and consumer preference *Zhen Fan, University of Florida, Wimauma, United States of America*	225-Effect of UV-C irradiation on cyclamen mite in strawberry *Justin Renkema, Agriculture and Agri-Food Canada, Vineland Station, Ontario, Canada*
17.00	255-Floral induction and dormancy behavior in cultivated white strawberry Fragaria chiloensis (L.) Mill. subsp. chiloensis f. chiloensis *Marina Gambardella, Facultad de Agronomia e Ingenieria Forestal, Pontificia, Universidad Catolica de Chile, Santiago, Chile*	219-A new phenotypic roadmap to improve strawberry aroma *Brian Farneti, FEM, San Michele all'Adige (TN), Italy*	234-Recent advances in ultraviolet-C technology for disease and arthropod pest management *Fumiomi Takeda,, Appalachian Fruit Res. Stat., USDA/ARS, Kearneysville, United States of America*

MONDAY - MAY 3, 2021

	PLENARY ROOM
17.15	**BLUE LINE A** Plant genotype, phenotype, breeding, biotechnology, physiology, plant adaptation, resilience, nursery, certification, patenting. --- **Steven Knapp** --- TRADITIONAL AND GENOME-INFORMED BREEDING STRATEGIES FOR DELIVERING THE NEXT-GENERATION OF STRAWBERRY CULTIVARS
18.00 - 19.00	*POSTER SESSION*
20.00	*Gala Dinner*

TUESDAY - MAY 4, 2021

	PLENARY ROOM
08.00	**ORANGE LINE C** New strawberry pathogens, soil borne and plant pathogens, soil fumigation, IPM/Organic, post-harvest management. --- **Sonia Osorio Algar** --- NETWORK REGULATORY ANALYSIS OF STRAWBERRY FRUITS POST-HARVEST PHYSIOLOGY REVEALED BY METABOLOMICS PROFILING
08.45	**RED LINE D** Fruit quality, nutrition, nutraceutical components, local market, processing, industrial products, economical impact, marketing, claims. --- **Stefano Predieri** --- WHAT CAN WE LEARN FROM CONSUMER PERCEPTION OF STRAWBERRY QUALITY?
09.30 - 10.00	*Morning break & Exhibition Visit*

TUESDAY - MAY 4, 2021

	ROOM 1	ROOM 2	ROOM 3
NINTH GROUP OF PARALLEL SESSIONS	BLUE LINE - PHYSIOLOGY	ORANGE LINE - POST HARVEST	RED LINE - CONSUMER HEALTHY BENEFITS
10.00	9-Drought Tolerance of Strawberries as Related to Reaction Type and Water Content and Redistribution in Leaves *Dina Shokaeva, FGBNU, Research Institute Horticultural Breeding, Russian Federation*	69-Do strawberry quality properties contribute to Botrytis cinerea tolerance? *Hua Li, Wageningen University, The Netherlands*	259-Improvement of strawberry for potential anthocyanin content and bioactive compound producing cultivars through breeding program *Peerasak Chaiprasart, Naresuan University, Phitsanulok, Thailand*
10.15	217-Profile of red and far-red light intensity with canopy and crown position of strawberry plant during flowering and early harvest time *Sung Kyeom Kim, Kyungpook National University, Korea*	11-Metabolic and molecular adaptation of Fragaria vesca Mara des Bois in response to high CO2 treatments during low temperature storage and shelf-life *Carmen Merodio, ICTAN-CSIC, Dpt. Characterization, Quality and Security, Jose Antonio Novais, Madrid*	145-Strawberry polyphenols as possible modulators of pre-adipocytes differentiation: a possible tool to control obesity onset and progression *T. Forbes-Hernandez, Nutrition and Food Science Group, Department of Analytical and Food Chemistry, University of Vigo, Spain*
10.30	249-Effects of plant growth retardants on growth and development of strawberry cv. Pharachatan 80 *Daruni Naphrom, Faculty of Agriculture, Chiang Mai University, Thailand*	299-Metabolomic reconfiguration of strawberry physiology in response to post-harvest practices *Jose Vallarino, IHSM-Universidad de Málaga, Dpto. Biolog. Mol. y Bioq. Malaga, Spain*	125-The roles of strawberry on human health: a possible clue on the molecular mechanisms involved in the prevention of human chronic diseases *Francesca Giampieri, Dept of Clinical Sciences, Sect Biochemistry, Università Politecnica delle Marche, Ancona, Italy*
10.45	97-Interaction of hormone and sugar signals during the process of dormancy release in strawberry(Fragaria × ananassa) *Yuntao Zhang, BJ Acad. of Forestry and Pomology Sciences, Beijing, China*	328-Synthetic push-pull strategy for controlling capsids in commercial strawberry *Michelle Fountain, NIAB EMR, East Malling, United Kingdom*	311-The Color Controllable White Flesh Strawberry Developed in the Tropics *Krista Huichin Yang, Qionglin, Hsinchu County, Chinese Taipei*

TUESDAY - MAY 4, 2021

	ROOM 1	ROOM 2	ROOM 3
TENTH GROUP OF PARALLEL SESSIONS	RED LINE - CONSUMER SCIENCE	ORANGE LINE - POST HARVEST	ORANGE LINE - MANAGEMENT STRATEGIES
11.15	88-What we can learn from history: from small scale family strawberry production to industrial scale *J. Coosemans, Labo Phytopath & Plantprotection Ku leuven, Leuven, Belgium*	65-Strawberry post-harvest shelf life is related to total acid content and fruit firmness *Fernando Piston, Fresas Nuevos Materiales, Huelva, Spain*	84-Monitoring essential in application of IPM strategy strawberry *Jolien Smessaert, Belgium*
11.30	243-Strawberry preferences of consumers from North-west Italy: Analysis of choice attributes *Stefano Massaglia, DISAFA, University of Torino, Italy*	5- Influence of different forced air cooling regimes on post-harvest quality of strawberries throughout the marketing period *Dr. Daniel Alexandr Neuwald, Competence Centre for Fruit Growing, Ravensburg, Germany*	143-Bet v 1 potential allergens are involved in anthrac-nose resistance in fruit crops *Jing Yang, Shanghai Academy of Agricultural Sciences, China*
11.45	338- The hunt for the purple strawberry: change in anthocyanin profile leads to a colour change from red to burgundy *Tim O Hare, Centre for Nutrition and Food Sciences, Archerfield BC, Australia*	284-Storage condition affect on the quality of ever-bearing strawberry cultivar 'Capri' *Nika Cvelbar Weber, Goreljce 2, 1433 Radece, Slovenia*	500-Farmer-Driven Research Design: Developing More Adoptable Research Outcomes *Alia DeLong, School of Natural Resources and the Environment, University of Florida, Gainesville, United States of America*
12.00	348-Understanding consumer preferences for new mar-ket entry: A study of strawberry consumption in Jakarta *Robin Elaine Roberts, Griffith University, South Bank Campus, 226 Grey Street, South Bank Qld, Australia*	288-DNA methylation governs the ripening of strawber-ry (Fragaria x ananassa) fruit *José Luis Caballero, University of Cordoba, Spain*	17- Is multivarietal brand a viable solution to valorize and extend marketing of strawberries? *Thais Mendes da Silva, UNITO - Torino, Italy*
12.15	GENERAL DISCUSSION	GENERAL DISCUSSION	GENERAL DISCUSSION
12.30 - 13.30	*Working Lunch*		

	PLENARY ROOM
13.30	**RED LINE D** Fruit quality, nutrition, nutraceutical components, local market, processing, industrial products, economical impact, marketing, claims. --- **Francisco A. Tomás-Barberán** --- ROLE OF ELLAGITANNINS IN STRAWBERRY HUMAN HEALTH EFFECTS
14.15	**RED LINE D** Fruit quality, nutrition, nutraceutical components, local market, processing, industrial products, economical impact, marketing, claims. --- **Daniele Del Rio** --- STRAWBERRY POLYPHENOLS: METABOLISM IN HUMANS AND PUTATIVE BIOLOGICAL ACTIVITIES

TUESDAY - MAY 4, 2021

	ROOM 1	ROOM 2	ROOM 3
ELEVENTH GROUP OF PARALLEL SESSIONS	BLUE LINE - PHYSIOLOGY/LIGHT	ORANGE LINE - IPM/ORGANIC CULTIVATION SYSTEMS	RED LINE - FRUIT COMPOSITION
15.00	272-IDENTIFYING STRAWBERRY CULTIVARS WITH REDUCED WATER DEMAND *Micol Marcellini, Università Politecnica delle Marche, Ancona, Italy*	313 - Collaborative Development of a National Strawberry Research and Outreach Project for Underserved Growers. *Curt R. Rom, Dept. of Hort. & Forestry, University of Arkansas, United States of America*	172-Jasmonate-associated anthocyanin accumulation in strawberry fruit *Carlos R. Figueroa, Institute of Biological Sciences, Universidad de Talca, Chile*
15.15	22-Flower induction by blue and far-red LED light in strawberry *Prisca Meyer, KU Leuven, Belgium*	156-Comparison of Five Essential oils on post-harvest strawberry fruit quality *Toktam Taghavi, Petersburg University, Virginia, United States of America*	278-Variation of polyphenol and vitamin C fruit content induced by strawberry breeding *Luca Mazzoni, Università Politecnica delle Marche, Dip.Sci. Agrarie, Alimentari ed Ambientali, Ancona, Italy*
15.30	64-The effect of light intensity and duration on photosynthetic rate, yield and quality of Everbearer and Junebearer strawberry varieties in a LED lit vertical growing system *Keiri Winnie Swann, University of Reading, United Kingdom*	159-Growth, Yield and Fruit Quality of Organic Day-neutral Strawberry in Field and Low Tunnel Settings in the Southeast United States *Sanjun Gu, North Carolina A&T State University, Greensboro, United States of America*	252-Changes in the content of metals of strawberry after preparation of phenolic-rich and anthocyanin-rich extracts for use in biomedicine and nutrition *José L. Quiles, Biomedical Research Center. Health, Granada, Spain*
15.45	31-The effect of two light spectrums on `Albion´ strawberry propagation in an indoor propagation system *Ricardo Hernandez, North Carolina, United States of America*	201-Rotation length, crop rotation, anaerobic soil disinfestation and mustard seed meal affect organic strawberry yield and soil-borne disease incidence in California *Margherita Zavatta, California, United States of America*	42-Role of genetic structure on some quality parameters in strawberry cultivars *Mehmet Ali Saridas, University of Cukurova, Faculty of Agriculture, Adana, Turkey*
16.00-16.15	*Coffee break*		

TUESDAY - MAY 4, 2021

	PLENARY ROOM
16.15-17.00	**RED LINE D** Fruit quality, nutrition, nutraceutical components, local market, processing, industrial products, economical impact, marketing, claims. --- **Britt Burton Freeman** --- STRAWBERRIES AND THEIR POLYPHENOL METABOLITES IN GLUCOREGULATION AND VASCULAR HEALTH
17.00-17.30	*Closure*
17.30-18.30	*ISHS Business Meeting*

MACFRUT

TECHNICAL SESSION